Ficolin-2 (FCN2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Ficolin-2 (FCN2), ELISA Kit
Full Product Name	Human Ficolin-2 ELISA Kit
Product Gene Name	FCN2 elisa kit
Product Synonym Names	Ficolin-2; 37 kDa elastin-binding protein; Collagen/fibrinogen domain-containing protein 2; EBP-37; Ficolin-B; Ficolin-beta; Hucolin; L-ficolin; Serum lectin p35; FCN2; FCNL
Species Reactivity	Human
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Detection Range	78-5000 pg/mL
Sensitivity	Less than 20pg/mL
Preparation and Storage	Store at 4 degree C
Molecular Weight	30,228 Da
OMIM	D63160 Genomic DNA
3D Structure	ModBase 3D Structure for Q15485
Assay Time	3-5h
Sample Volume	100T
Detection Wavelength	450 nm
Related Product Information for FCN2 elisa kit	MBS9427902 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Ficolin-2 (FCN2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing FCN2. The ELISA analytical biochemical technique of the MBS9427902 kit is based on FCN2 antibody-FCN2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect FCN2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, FCN2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of FCN2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FCN2. It may not necessarily be applicable to this product.

NCBI GI #	61744445
NCBI GeneID	2220
NCBI Accession #	NP_004099.2
UniProt Primary Accession #	Q15485
UniProt Secondary Accession #	Q6IS69; Q7M4P4; Q9UC57; A6NFG7; A8K478
UniProt Related Accession #	Q15485

GenBank Nucleotide #	NM_004108.2
NCBI Official Full Name	ficolin-2 isoform a
NCBI Official Synonym Full Names	ficolin 2
NCBI Official Symbol	FCN2
NCBI Official Synonym Symbols	P35; FCNL; EBP-37; ficolin-2
UniProt Protein Name	Ficolin-2
UniProt Synonym Protein Names	37 kDa elastin-binding protein; Collagen/fibrinogen domain-containing protein 2; EBP-37; Ficolin-B; Ficolin-beta; Hucolin; L-ficolin; Serum lectin p35
Protein Family	Ficolin
UniProt Gene Name	FCN2
UniProt Synonym Gene Names	FCNL
NCBI Protein Information	ficolin-2
NCBI Summary for FCN2	The product of this gene belongs to the ficolin family of proteins. This family is characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. This gene is predominantly expressed in the liver, and has been shown to have carbohydrate binding and opsonic activities. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for FCN2	FCN2: May function in innate immunity through activation of the lectin complement pathway. Calcium-dependent and GlcNAc- binding lectin. Enhances phagocytosis of S.typhimurium by neutrophils, suggesting an opsonic effect via the collagen region. Belongs to the ficolin lectin family. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 9q34
Research Articles on FCN2	**1.** this study shows that FCN2 polymorphisms is not a major risk factor for community-acquired pneumonia in general, but that the +6424G>T SNP in the FCN2 gene predisposes to Coxiella burnetii pneumonia
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